

To simplify the design of a rotary actuator, in particular for an "R"-type waveguide switch, having a permanently magnetized rotor (7) and a plurality of stator windings (1, 2, 3) surrounding the rotor in a rim-like fashion, for generating magnetic fields which place the rotor in one of a first plurality of positions, it is proposed to furnish the actuator with means (11, 12, 13, 14) for exerting a corrective torque on the rotor, the means placing the rotor (7), in the currentless state of the stator windings (1, 2, 3), in a target position of a second plurality of positions, each position of the first plurality having assigned to it a target position.

[illegible]